

REMARKS

In the Office Action, the drawings were objected to under 37 CFR 1.83(a). Claim 17 was objected to. Claims 17, 3-4, 7-9 and 12-16 were rejected under 35 USC §102(b) as being anticipated by Iwasa et al. Claims 6 and 10-11 were rejected under 35 USC §103(a) as being unpatentable over Iwasa et al in view of Best

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version With Markings To Show Changes Made".

Claim 17, as amended, defines a multi-phase motor having a plurality of stator parts and a plug part for each one of the plurality of stator parts. The plug part has plug pins and pin strip conductors for electrical connection to a power supply source. A carrier coil is included for each of the plurality of stator parts. The coil carrier has a winding wire connected directly to one of the plug pins. An electrically insulating connecting piece extends between each coil carrier and each plug part. The connecting piece has a winding wire section and a winding wire guide duct for receiving the winding wire which is connected to one of the plug pins. Each coil carrier is integral with the respective electrically conducting connecting piece and the respective plug part. One plug part includes passage openings

for receipt of the plug pin of another plug part so as to integrate the plurality of stator parts.

By the direct winding wire connected to an external conductor connected multi-phase motor of the present invention, individual coil connection element sub-assemblies are firmly connected. In one plug part are provided passage openings for the plug pins of a second pin strip and the plug pins of the second pin strip engage and remain fixed with the first plug part. This produces a stable assembly of multiple stator parts, rigidly interconnected.

In the Iwasa et al patent, it is not seen how a plurality of stator parts are integrally assembled with a coil carrier connected to a plug part to form a plurality of separate assemblies interconnected by the plug pins of one assembly extending into passage openings of another assembly for rigid interconnection of a plurality of stator part assemblies. With reference to the rejection in the Office Action, it appears that the coils 6 and 13 relate to only a single stator 80 having only a single plug part 84 and a single set of plug pins 85.

This is contrary to the present invention having a plurality of sub-assemblies each having a stator part, a plug part, plug pins, pin strip conductors, coil carrier and electrically insulated connecting piece. The inter-relationship between the plurality of sub-assemblies defined in amended claim 17

interengages and secures the sub-assemblies by the plug pins of one assembly connecting to another assembly. A rigid interconnection of a plurality of sub-assemblies is thereby achieved.

Therefore, for at least the above reasons, it is respectfully submitted that the present invention as defined in independent claim 17 and the claims dependent therefrom are in condition for allowance.

Based on the foregoing amendments and remarks, it is respectfully submitted that the claims in the present application, as they now stand, patentably distinguish over the references cited and applied by the Examiner and are, therefore, in condition for allowance. A Notice of Allowance is in order, and such favorable action and reconsideration are respectfully requested.

However, if after reviewing the above amendments and remarks, the Examiner has any questions or comments, he is cordially invited to contact the undersigned attorneys.

Respectfully submitted,

JACOBSON HOLMAN, PLLC

By: Jonathan L. Scherer
Jonathan L. Scherer
Reg. No. 29,851

400 Seventh Street, N.W.
Washington, D.C. 20004-2201
(202) 638-6666

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please cancel claims 3, 4, 9, 10, 11 and 14 without prejudice or disclaimer.

Please amend claims 6, 7, 8, 12 and 17 as follows:

6. (Amended) The multi-phase motor according to claim 3 17, wherein one of the pin strips holds a plug housing by a catch connection.

7. (Twice Amended) The multi-phase motor according to claim 17, wherein in the plug part, there is firmly attached a first plurality of said plug pins and a second plurality of said plug pins are firmly attached in a separate removably retained pin strip.

8. (Amended) The multi-phase motor according to claim 7, wherein the first and second plurality of plug pins ~~is~~ are arranged in one row.

12. (Amended) The multi-phase motor according to claim 2 17, wherein the coil carriers are made in one part ~~and have an opening in which is received the coil body.~~

17. (Amended) A multi-phase motor for use with a power supply source, the motor comprising:

~~a rotor,~~

~~a plurality of stator parts, arranged concentrically to the rotor,~~

~~a plurality of cores,~~

a plug part for each of the plurality of stator parts having plug pins and pin strip conductors for electrical connection to the power supply source,

~~a plurality of coils with each coil consisting of carrier for each of the plurality of stator parts, the coil carrier having a winding wire wound upon one of said coils, the winding wire being connected directly to one of the plug pins,~~

an electrically insulating connecting piece extending between each coil carrier and each plug part and having a winding wire section and a winding wire guide duct for receiving a section of the winding wire connected to the one of the plug pins,

~~a plug housing,~~

~~a coil carrier for each coil, wherein the coil carrier receives one of said coils and each coil carrier is made being integral with the respective electrically conducting connecting piece and the respective plug housing part, and~~

one plug part including passage openings for receipt of the plug pins of another plug part.